



## SHRINKFLEX® 3:1 SHIELDING FLAME RETARDANT UL 224 · MEETS SPECIFICATION MIL-I-DTL-23053/5 EXCELLENT HIGH FREQUENCY EMI SHIELDING

3:1 Shielding heatshrink tubing is a unique combination of Polyolefin and conductive cloth, with a high frequency EMI shielding properties. This product, a flame retardant and fluid resistant tubing, is a perfect solution for protecting your wire & cable bundles.

### SIZING CHART

Nominal Size	Part #	Unshrunk Diameter /mm	Shrunk Diameter /mm	Wall Thickness After	4 Feet Pcs. *Put-Ups		Available Colors	Lbs/ 10Pcs.
					M	L		
3/8"	H3C0.38BK	9.0	3.0	.031"	2	12	1	0.49
1/2"	H3C0.50BK	12.0	4.0	.033"	2	12	1	0.62
3/4"	H3C0.75BK	18.0	6.0	.039"	2	12	1	0.90
1"	H3C1.00BK	24.0	8.0	.048"	2	12	1	1.35
1 1/2"	H3C1.50BK	40.0	13.0	.050"	2	12	1	2.12
2"	H3C2.00BK	50.0	17.0	.059"	2	12	1	2.94

Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



### FEATURES

Material	Polyolefin
Grade	H3C
Wall Thickness After Shrinkage	.031"-.059"
Drawing Number	TF001H3C-WD
Cutting	Scissors

### COLORS



Black (BK)

### CERTIFICATIONS



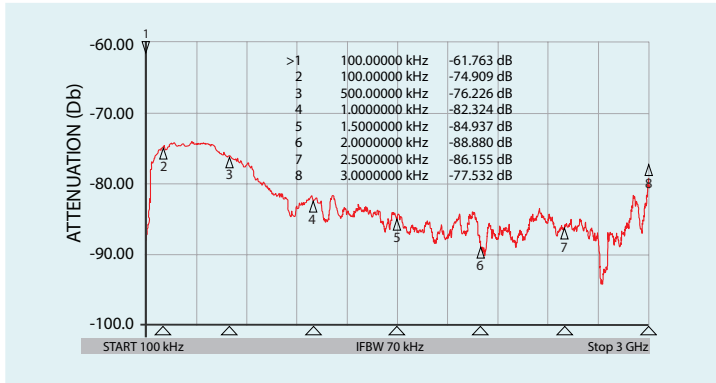
## CHEMICAL RESISTANCE

Fluid Resistance Excellent

## FLAMMABILITY

Rating Flame Retardant UL 224

## SHIELDING EFFECTIVENESS (ASTM D-4935)



## OPERATING TEMPERATURES

Shrinks	194°F / 90°C
Melt Point (ASTM D-2117)	392°F / 200°C
Maximum Continuous (Mil-I-23053)	275°F / 135°C
Minimum Continuous (Mil-I-23053)	-67°F / -55°C

## PHYSICAL PROPERTIES

Wall Thickness After Shrinkage	.031"-.059"
Flammability Rating	UL 224
Recommended Cutting	Scissors
Colors	1
Flexibility	Medium
Break Strength After Shrinkage	1,500
Dielectric Strength (volt/mil)	500

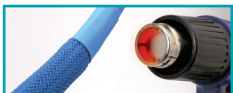
## HOW-TO



Measure the Shrinkflex® tubing to length and cut with a scissor. The thickness of your bundle, as well as the desired final appearance, will determine the length of the tubing you cut. Generally, a piece 1½" - 2" long will accommodate almost any need. Single wires, or smaller bundles, require shorter pieces.



Slip the Shrinkflex® tubing over the bundle and position it so that both the sleeved and unsleeved portions are sufficiently covered. Notice the small pieces of tubing installed on single wires as part of a color coding system. If your project requires multiple operations, always work up from the smallest to the largest bundle.



Gently apply heat to Shrinkflex® tubing from a heat gun, hair dryer or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame does not come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the sleeving and to ensure that all areas of the tubing have been shrunk. Once cooled, your installation is complete.